

## Box No. VI PRIORITY CLAIM

The priority of the following earlier application(s) is hereby claimed:

| Filing date<br>of earlier application<br>(day/month/year) | Number<br>of earlier application | Where earlier application is:                       |  |  |
|---|----------------------------------|---|--|--|
|   |                                  | national application:<br>country / Member<br>of WTO | regional application:<br>regional Office | international application:<br>receiving Office |
| item (1) (30-12-2002) <sup>a</sup><br>30 Dec 2002         | 10/330,108                       | USA   |  |  |
| item (2)  |                                  |   |  |  |
| item (3)  |                                  |   |  |  |
| item (4)  |                                  |   |  |  |
| item (5)  |                                  |   |  |  |

 Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (*only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office*) identified above as:

all items    item (1)    item (2)    item (3)    item (4)    item (5)    other, see  
Supplemental Box

\* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)): .....

## Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA / EP.....

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year)      Number      Country (or regional Office)

## Box No. VIII DECLARATIONS

The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

Number of declarations

|   |  |   |
|---|--|---|
| <input type="checkbox"/> Box No. VIII (i)   | Declaration as to the identity of the inventor   | : |
| <input type="checkbox"/> Box No. VIII (ii)  | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | : |
| <input type="checkbox"/> Box No. VIII (iii) | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | : |
| <input type="checkbox"/> Box No. VIII (iv)  | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | : |
| <input type="checkbox"/> Box No. VIII (v)   | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | : |



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

February 27, 2004

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM  
THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK  
OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT  
APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A  
FILING DATE UNDER 35 USC 111.

APPLICATION NUMBER: 10/330,108

FILING DATE: December 30, 2002

By Authority of the  
COMMISSIONER OF PATENTS AND TRADEMARKS



*P. Swain*  
P. SWAIN  
Certifying Officer

PATENT COOPERATION TREATY

From the RECEIVING OFFICE

To:

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20  
Switzerland

PCT

NOTIFICATION OF DATE OF RECEIPT  
OF PRIORITY DOCUMENT OR OF  
PRIORITY APPLICATION NUMBER

(PCT Administrative Instructions,  
Section 323(a), (b) and (c))

|   |   |                                   |
|---|---|-----------------------------------|
| Applicant's or agent's file reference<br>752-06PC | Date of mailing<br>(day/month/year)           | 23 April 2004 (23.04.2004)        |
| International application No.<br>PCT/CA03/02017   | International filing date<br>(day/month/year) | 30 December 2003 (30-12-<br>2003) |
| Applicant FLOWORK SYSTEMS II LLC ET AL            |   |                                   |

1. [ X ] This receiving Office hereby gives notice of the receipt of the priority document(s) identified below on:

15 March 2004 (15-03-2004)

2. [ ] This receiving Office hereby gives notice of the receipt of a request (made under Rule 17.1(b)) to prepare and transmit to the International Bureau the priority document(s) identified below on:

EXHIBIT 3.

Identification of the priority document(s):

Priority date

Priority application No.

Country or regional Office  
or PCT receiving Office

30 December 2002 (30-12-  
2002)

10/330,108

US

|  |   |
|--|---|
| Name and mailing address of the receiving Office<br>Commissioner of Patents<br>Canadian Receiving Office<br>Box PCT, Ottawa/Gatineau K1A 0C9<br>Facsimile No. (819) 953-9538 | Authorized Officer<br><br>Chantal Hebert (819) 997-6295 |
|--|---|

## PATENT COOPERATION TREATY

PCT

**NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT**

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

ASQUITH, Anthony  
#28 - 461 Columbia Street West  
Waterloo, Ontario N2T 2P5  
Canada

|  |   |  |
|--|---|--|
| Date of mailing (day/month/year)<br>06 May 2004 (06.05.2004)         |   |  |
| Applicant's or agent's file reference<br>752-06PC                    | <b>IMPORTANT NOTIFICATION</b>   |  |
| International application No.<br>PCT/CA2003/002017                   | International filing date (day/month/year)<br>30 December 2003 (30.12.2003) |  |
| International publication date (day/month/year)<br>Not yet published | Priority date (day/month/year)<br>30 December 2002 (30.12.2002)             |  |
| Applicant<br><br>FLOWORK SYSTEMS II LLC et al                        |   |  |

EXHIBIT 4.

- By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- (If applicable) The letters "NR" appearing in the right-hand column denote a priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- (If applicable) An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b) (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

| Priority date            | Priority application No. | Country or regional Office<br>or PCT receiving Office | Date of receipt<br>of priority document |
|--------------------------|--------------------------|---|---|
| 30 Dec 2002 (30.12.2002) | 10/330,108               | US  | 28 April 2004 (28.04.2004)              |

|   |   |
|---|---|
| The International Bureau of WIPO<br>34, chemin des Colombettes<br>1211 Geneva 20, Switzerland | Authorized officer<br><br>CHAHINE Leila |
| Faxsimile No. (41-22) 338.89.95   | Telephone No. (41-22) 338 9999          |

# DATA SHEET

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## Application Information

Title Line One: thermal control of flowrate in engine coolant system  
Total Drawing Sheets: 10  
Formal Drawings?: yes  
Application Type: Utility  
Docket Number: 752-06US

## Prior Applications

|                          |                   |
|--------------------------|-------------------|
| Application One:         | 10/330,108        |
| Filing Date:             | 30 December 2002  |
| Country:                 | USA               |
| Priority Claimed:        | yes               |
| Foreign Application Two: | PCT/CA2003/002017 |
| Filing Date:             | 30 December 2003  |
| Country:                 | International PCT |
| Priority Claimed:        | yes               |